

Stores Planning & Weaponneering (SPW) Applications

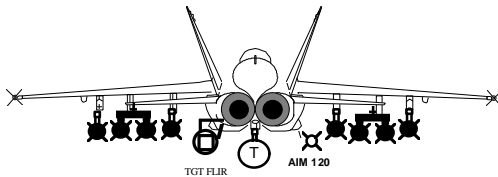


PMA-233

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F/A-18 A/B/C/D AUTOMATED TACMAN SUPPLEMENT (ATACS)



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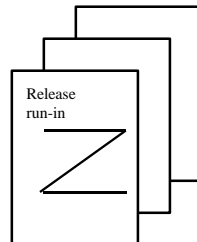
Store Release



Delivery Planning

●	●	□	□	●	●
Station 1 - MK 82/CFA Station 2- Fuel Station 3- Station 4- Station 5- Fuel tank Station 6- MK 82 CFA Total Weight-42,350 Fuel weight-10,500 Ammo -800 rnds					

Load Report



Kneeboard Cards

Airspeed limits
 450 / 0.8 jettison
 550 / 0.90 carriage
 550 / 0.85 release

G limits
 1.0 to 1.0 g jettison
 0.5 to 4.5 g release

Notes:
 Inverted flight not allowed
 No salvo

Safe Escape Reports

Release 450 KCAS .7 M
 0 deg
 1000 ft AGL

DRT 6000 ft
 Slant 8000 ft
 Time 8.4 sec
 Angle 86 deg

Spacing 50 ft
 Int 125 ms

Delivery Reports



F/A-18 ATACS

NOV 97 OAG Requests

û Continue funding & development of ATACS until standalone SPW fielded

- ATACS fully funded in FY98
- OAG endorsement requested to ensure future funding

û Make ATACS Microsoft Windows compatible as soon as possible

- Version 2.0 Windows compatible (not Windows)

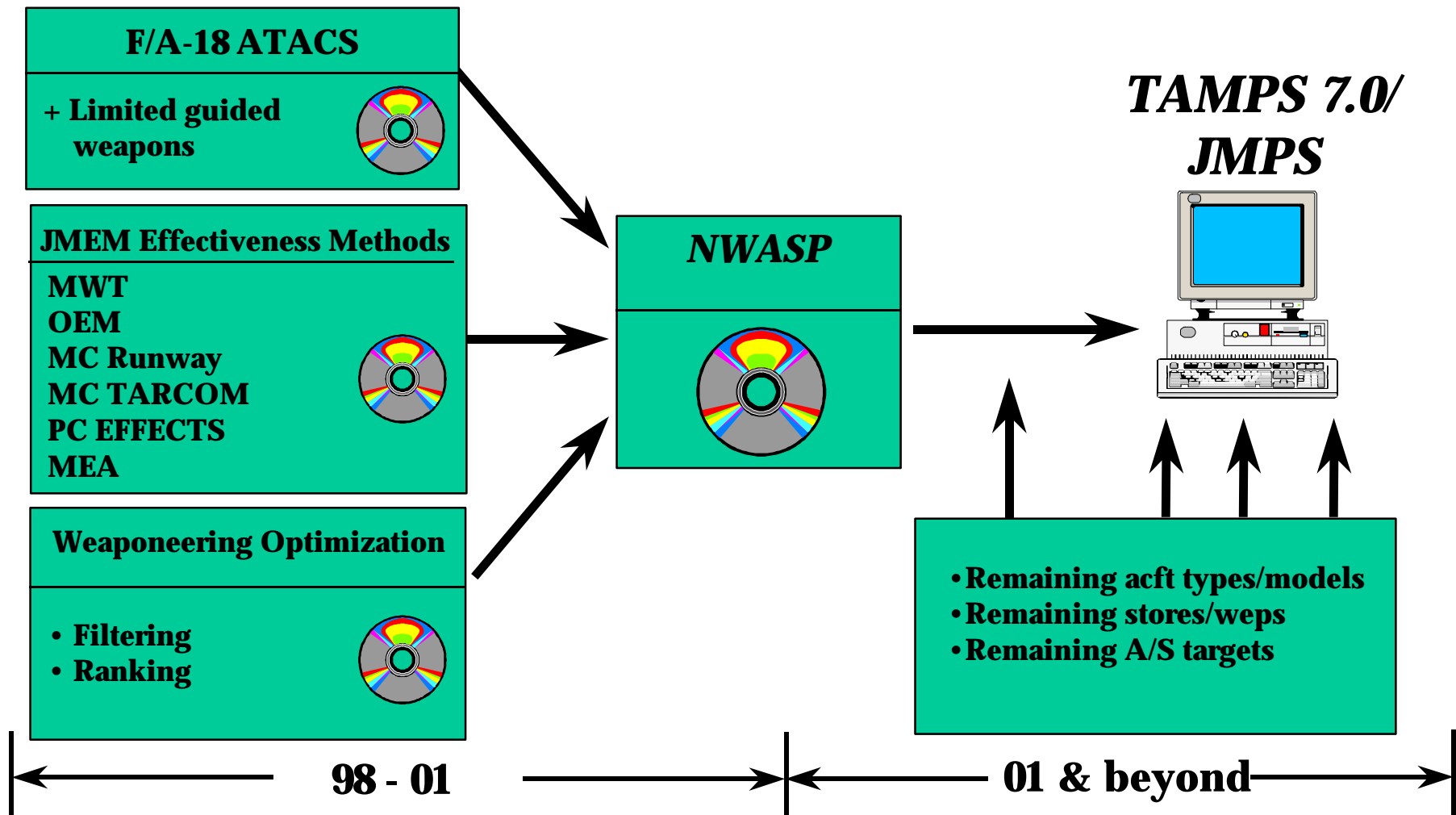


F/A-18 ATACS Status

- Version 1.2 to be released late May
 - OFPs 10A, 11C; AYK-22; ALE-47
 - Safety-of-flight data from VOL IV CHG 3
- Version 2.0 in development
 - Windows compatible
 - T.A.R.G.E.T. report format
 - Complete VOL IV CHG 3
 - Anticipated VOL IV CHG 4



Navy Weaponneering and Stores Planning (NWASP)





SPW/NWASP

NOV 97 OAG Requests

<u>CAPABILITY</u>	<u>Standalone System</u>	<u>Integrated w/JMPS</u>
Integrated aircraft/weapons mission planning	Target Area Only	û
Accurate store loadouts for all airframes	FA-18 only	Phased
Override TACMAN limitations & restrictions	û	û
Provide computed JMEM solution only (Eliminate SSPD lookup option)	?	?
Incorporate default computed solution	û	û



SPW/NWASP

NOV 97 OAG Requests

<u>CAPABILITY</u>	<u>Standalone System</u>	<u>Integrated w/JMPS</u>
Incorporate JDAM/JSOW	Load Validation & Delivery Validation Only	û
<u>Weaponneering optimization:</u>		
• Eliminate all solutions containing unauthorized weapon configurations	Under Investigation	Under Investigation
• Develop an indicator of time required for calculations based on user specified ranges & intervals	û	û



NWASP Status

- Standalone
 - Funded Jan 98
 - HMI prototype in work
 - Fleet review June 9-10 at Pax River
- Integrated NWASP components
 - Concurrent with JMPS development